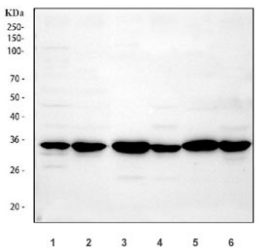
APH1A Antibody / Aph-1alpha (R32302)

Catalog No.	Formulation	Size
R32302	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q96BI3
Applications	Western Blot : 0.5-1ug/ml
Limitations	This APH1A antibody is available for research use only.



Western blot testing of 1) human U-87 MG, 2) human U-251, 3) rat brain, 4) rat C6, 5) mouse brain and 6) mouse Neuro-2a cell lysate using APH1A antibody. Expected molecular weight: 27~29 kDa.

Description

APH1A encodes a component of the gamma secretase complex that cleaves integral membrane proteins such as Notch receptors and beta-amyloid precursor protein. The gamma secretase complex contains this gene product, or the paralogous anterior pharynx defective 1 homolog B (APH1B), along with the presenilin, nicastrin, and presenilin enhancer-2 proteins. The precise function of this seven-transmembrane-domain protein is unknown though it is suspected of facilitating the association of nicastrin and presenilin in the gamma secretase complex as well as interacting with substrates of the gamma secretase complex prior to their proteolytic processing. Polymorphisms in a promoter region of this gene have been associated with an increased risk for developing sporadic Alzheimer's disease. Alternative splicing

results in multiple protein-coding and non-protein-coding transcript variants.

Application Notes

Optimal dilution of the APH1A antibody should be determined by the researcher.

Immunogen

Amino acids LRSIQRSLLCRRQEDSRVMVYSALRIPPED of human APH1A were used as the immunogen for the APH1A antibody.

Storage

After reconstitution, the APH1A antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.